Table S1 Logistic regression model evaluating potential independent predictors of abnormally invasive placenta (AIP) in 188 high-risk women, overall and by degree of AIP

	All AIP (n=83)		Placenta accreta/increta (n=45)		Placenta percreta (n=38)	
Covariates	**Adjusted OR (95% CI)**	**p**	**Adjusted OR (95% CI)**	**p**	**Adjusted OR (95% CI)**	**p**
Age, 1-year increase	1.21 (1.07-1.38)	0.003	1.19 (1.04-1.35)	0.010	1.36 (0.99-1.86)	0.06
Gestational age at birth, 1-week increase	0.36 (0.22-0.59)	<0.001	0.42 (0.25-0.70)	0.001	0.14 (0.04-0.52)	0.003
Number of US signs detected, 1-unit increase	8.42 (4.17-17.0)	<0.001	7.29 (3.50-15.2)	<0.001	43.4 (5.44-347)	<0.001
Number of previous cesarean sections:						
- ≤1 (Ref. cat.)	1	--	1	--	--	--
- 2	2.57 (0.65-10.2)	0.18	2.27 (0.57-9.07)	0.2		
- ≥3	2.25 (0.51-10.0)	0.3	1.02 (0.18-5.88)	0.9		

OR = Odds ratio; CI = Confidence Interval; Ref. cat. = reference category; US = ultrasound.

Table S2 Diagnostic accuracy of different combinations of ultrasound signs detected in first trimester in diagnosing abnormally invasive placenta (AIP) in 188 high-risk women, overall and according to severity of AIP

AIP subgroup and ultrasound sign combination	Sensitivity (%)	Specificity (%)	DOR	LR+	LR-
All AIP					
Loss of clear zone + placental lacunae	78.31 (67.9-86.6)	100 (96.6-100)	∞ (85.9-∞)	∞ (22.2-∞)	0.22 (0.1-0.3)
Loss of clear zone + bladder wall interruption	75.90 (65.3-84.6)	100 (96.6-100)	∞ (75.8-∞)	∞ (21.5-∞)	0.24 (0.2-0.3)
Loss of clear zone + uterovescical hypervascularity	50.60 (39.4-61.8)	100 (96.6-100)	∞ (25.8-∞)	∞ (14.3-∞)	0.49 (0.4-0.6)
Placental lacunae + bladder wall interruption	69.88 (58.8-79.5)	100 (96.6-100)	∞ (57.0-∞)	∞ (19.8-∞)	0.30 (0.2-0.4)
Placental lacunae + uterovescical hypervascularity	50.60 (39.4-61.8)	100 (96.6-100)	∞ (25.8-∞)	∞ (14.3-∞)	0.49 (0.4-0.6)
Bladder wall interruption + uterovescical hypervascularity	50.60 (39.4-61.8)	100 (96.6-100)	∞ (25.8-∞)	∞ (14.3-∞)	0.49 (0.4-0.6)
Loss of clear zone + placental lacunae + bladder wall interruption	69.88 (58.8-79.5)	100 (96.6-100)	∞ (57.0-∞)	∞ (19.8-∞)	0.30 (0.2-0.4)
Loss of clear zone + placental lacunae + uterovescical hypervascularity	50.60 (39.4-61.8)	100 (96.6-100)	∞ (25.8-∞)	∞ (14.3-∞)	0.49 (0.4-0.6)
Loss of clear zone + bladder wall interruption + uterovescical hypervascularity	50.60 (39.4-61.8)	100 (96.6-100)	∞ (25.8-∞)	∞ (14.3-∞)	0.49 (0.4-0.6)
Placenta accreta/increta					
Loss of clear zone + placental lacunae	75.56 (60.5-87.1)	78.32 (70.7-84.8)	10.98 (4.8-27.0)	3.49 (2.4-5.0)	0.31 (0.2-0.5)
Loss of clear zone + bladder wall interruption	64.44 (48.8-78.1)	76.22 (68.4-82.9)	5.75 (2.7-12.8)	2.71 (1.9-3.9)	0.47 (0.3-0.7)
Loss of clear zone + uterovescical hypervascularity	42.22 (27.7-57.9)	83.92 (76.9-89.5)	3.80 (1.7-8.5)	2.63 (1.6-4.3)	0.69 (0.5-0.9)
Placental lacunae + bladder wall interruption	62.22 (46.5-76.2)	79.02 (71.4-85.4)	6.13 82.8-13.7)	2.97 (2.0-4.4)	0.48 (0.3-0.7)
Placental lacunae + uterovescical hypervascularity	42.22 (27.7-57.9)	83.92 (76.9-89.5)	3.80 (1.7-8.5)	2.63 (1.6-4.3)	0.69 (0.5-0.9)
Bladder wall interruption + uterovescical hypervascularity	42.22 (27.7-57.9)	83.92 (76.9-89.5)	3.80 (1.7-8.5)	2.63 (1.6-4.3)	0.69 (0.5-0.9)
Loss of clear zone + placental lacunae + bladder wall interruption	62.22 (46.5-76.2)	79.02 (71.4-85.4)	6.13 82.8-13.7)	2.97 (2.0-4.4)	0.48 (0.3-0.7)
Loss of clear zone + placental lacunae + uterovescical hypervascularity	42.22 (27.7-57.9)	83.92 (76.9-89.5)	3.80 (1.7-8.5)	2.63 (1.6-4.3)	0.69 (0.5-0.9)

Loss of clear zone + bladder wall interruption + uterovescical hypervascularity	42.22 (27.7-57.9)	83.92 (76.9-89.5)	3.80 (1.7-8.5)	2.63 (1.6-4.3)	0.69 (0.5-0.9)
Placenta percreta					
Loss of clear zone + placental lacunae	81.58 (65.6-92.3)	77.33 (69.8-83.8)	14.83 (5.8-43.6)	3.60 (2.6-5.0)	0.24 (0.1-0.4)
Loss of clear zone + bladder wall interruption	89.47 (75.2-97.1)	80.67 (73.4-86.7)	35.47 (11.1-144.7)	4.63 (3.3-6.6)	0.13 (0.05-0.3)
Loss of clear zone + uterovescical hypervascularity	60.53 (43.4-76.0)	87.33 (80.9-92.2)	10.38 (4.4-25.7)	4.78 (2.9-7.8)	0.45 (0.3-0.6)
Placental lacunae + bladder wall interruption	78.95 (62.7-90.5)	81.33 (74.2-87.2)	16.00 (6.3-45.0)	4.23 (2.9-6.1)	0.26 (0.1-0.4)
Placental lacunae + uterovescical hypervascularity	60.53 (43.4-76.0)	87.33 (80.9-92.2)	10.38 (4.4-25.7)	4.78 (2.9-7.8)	0.45 (0.3-0.6)
Bladder wall interruption + uterovescical hypervascularity	60.53 (43.4-76.0)	87.33 (80.9-92.2)	10.38 (4.4-25.7)	4.78 (2.9-7.8)	0.45 (0.3-0.6)
Loss of clear zone + placental lacunae + bladder wall interruption	78.95 (62.7-90.5)	81.33 (74.2-87.2)	16.00 (6.3-45.0)	4.23 (2.9-6.1)	0.26 (0.1-0.4)
Loss of clear zone + placental lacunae + uterovescical hypervascularity	60.53 (43.4-76.0)	87.33 (80.9-92.2)	10.38 (4.4-25.7)	4.78 (2.9-7.8)	0.45 (0.3-0.6)
Loss of clear zone + bladder wall interruption + uterovescical hypervascularity	60.53 (43.4-76.0)	87.33 (80.9-92.2)	10.38 (4.4-25.7)	4.78 (2.9-7.8)	0.45 (0.3-0.6)

Data are given with 95% CI. DOR, diagnostic odds ratio; LR–, negative likelihood ratio; LR+, positive likelihood ratio.